

Setup Guide — TP Receivers

This card provides instructions for an experienced installer to set up and operate the TP Receiver Series products. Refer to www.extron.com for the complete user's manual.

IMPORTANT:
Refer to www.extron.com for the user manual and installation instructions before connecting the product to the power supply.

Pre-installation — Jumper settings

The TP R BNC A and TP R BNC AV are factory configured to receive RGB video. They can receive component, S-video or composite video by changing jumper J3 located on the main board.

NOTE If using the TP R BNC AV with an older TPX 88X transmitter, download the TP Receivers User's Manual at www.extron.com and refer to the audio jumper settings.



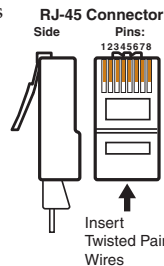
Installation

Step 1 — Mounting

Turn off or disconnect all equipment power sources and mount the receiver as required.

Step 2 — Connect input

Connect the RJ-45 cable (from a TP transmitter) to the Input port on the TP R. Terminate the ends of the cable to the same standards.



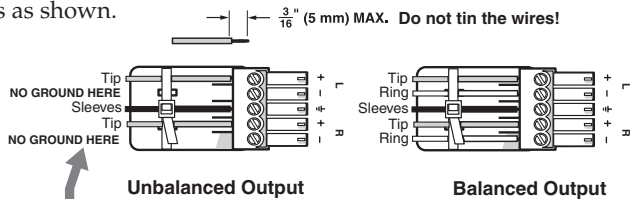
Pin	T568A Wire color	T568B Wire color
1	White-green	White-orange
2	Green	Orange
3	White-orange	White-green
4	Blue	Blue
5	White-blue	White-blue
6	Orange	Green
7	White-brown	White-brown
8	Brown	Brown

NOTE If using Enhanced Skew-Free™ A/V cable, use the TIA/EIA T568A standard only.

Step 3 — Connect outputs

Attach the applicable output cables (video, audio), depending on the TP R model.

- Composite video output connector** — Connect to the single female BNC connector (VIDEO) for composite video output (TP R BNC AV Only) or to either the R, or G, or B connectors (TP R BNC A Only).
- S-video output connector** — Connect to the R (C-chroma) and G (Y-luma) connectors.
- Component video** — Connect to the R (R-Y), G (Y) and B (B-Y) connectors.
- RGBHV Video** — Connect to the R, G, B, H, V connectors.
- RGBS video** — Connect to the R, G, B, H/V connectors.
- High resolution video output connector** — Connect to the 15-pin HD connector (TP R 15HD A only).
- Audio connector** — Connect an audio device accepting line level analog audio to the unbalanced stereo audio RCA connectors (TP R BNC A and TP R BNC AV) or to the line level stereo 3.5 mm, 5-pole captive screw connectors as shown.



CAUTION

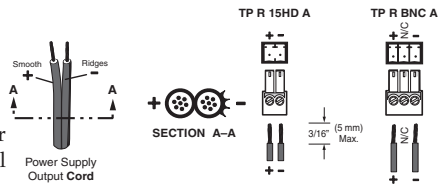
For unbalanced audio, connect both sleeves to the center (ground) contact. DO NOT connect the sleeves to the negative (-) contacts.

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Step 4 — Power

Plug the included external power supply into the 2-pole (TP R 15HD A) or 3-pole (TP R BNC A) captive screw connector. Wire the connector as shown and plug it into the receiver. The front panel Power LED is amber when power is present and green when signal and power are present.



Step 5 — Set Rear Panel DIP Switches

2-position (TP R BNC A/AV), or 4-position (TP R 15HD A) switch (up = ON)

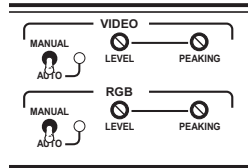
- SOG — Sync on Green.** Set this switch up for RGsB and down for RGBHV or RGsB video.
- C Sync** — Set this switch up for RGsB and down for RGBHV or RGsB video.
- C video (TP R 15HD A only)** — Set this switch down (off) for RGB video or up (on) for component/S-video/composite video.
- N/C (TP R 15HD A only)** — Not used.



Step 6 — Manual/Auto Switch

NOTE There are 2 sets of switches and controls (Video and RGB) on TP R BNC AV only.

Auto provides automatic signal level and peaking compensation of the output for long cable runs.



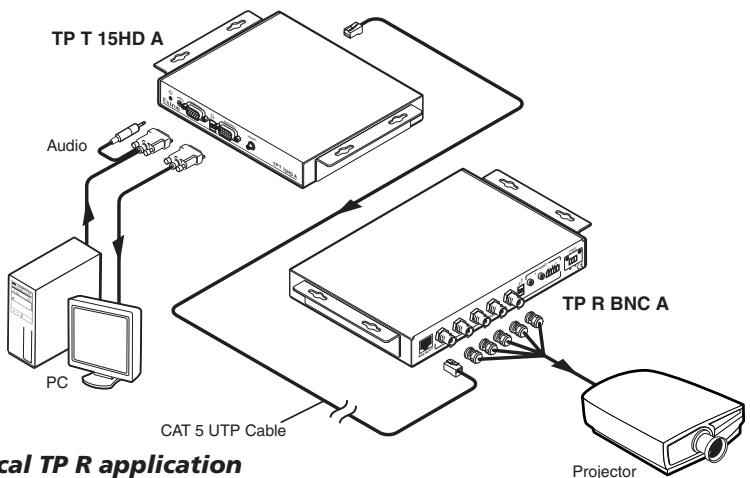
Step 7 — Peaking and Level Adjustments

Manual compensation for long cable runs can be made by the user with the Auto/Manual switch in the Manual position.

Image sharpness is adjusted with the Peaking Control. Increased peaking compensates for mid- and high-frequency detail loss. Minimum setting (full counterclockwise) is zero peaking.

Image brightness is adjusted using the Level Control which increases the video signal output voltage to boost brightness.

While viewing the display, adjust either or both controls for the best image quality.



Typical TP R application

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